

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
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JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

01/26/2012

Philip Burr
Assistant District Attorney, Norfolk County

Dear ADA Burr,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry

University of Massachusetts, Boston, Ma, Bachelor of Science

Major: Biochemistry

Minor: Economics

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Writing of the Standard Operating Procedures (SOPs) and Protocols.

*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.

*Maintenance and repairs of analytical instruments.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health.

*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.

*Method Development for creating new techniques for the QC Dept. and FDA.

*Writing, revising and reviewing the Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice – Forensics Professionals

Introduction to Forensic Drug Chemistry

Chemical Spot Test and Mechanism for Illicit Drugs

Forensic Mass Spectrometry

Forensic Science 101: An Introduction

Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony

Evidence Analysis

Ethics in Forensic Science

Transition to Leadership

Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.

Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.

Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.

High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.

Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectrum One.

Ultraviolet-Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.

Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

DRUG RECEIPT

City or Department: Randolph Police Dept Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Detective Paul Smyth

Defendant(s) Name (last, first, initial):

[REDACTED]

To be completed by Submitter
Description of Items Submitted

To be completed by Lab Personnel
Gross Weight Lab Number

61 whole blue pills marked M/30 and 3 broken pieces
of pills

9.78g

86 whole blue pills marked A/215 and 6 broken pieces
of pills

10.85g

[REDACTED]

Received by: [Signature]

Date: 2-24-11

No. [REDACTED]
City: Randolph Police Dept.
Officer: Detective PAUL SMYTH
Def: [REDACTED]

Date Analyzed: 4-11-11

Amount: 61.0
No. Cont: 1 Cont: pb
Date Rec'd: 02/24/2011
Gross Wt.: 9.78

Subst: TAB

No. Analyzed:
Net Weight: 7.78
Tests: 2 ASD
• 4 DJR

Prelim: Oxycodone 3 Findings: Oxycodone

No. [REDACTED]
City: Randolph Police Dept.
Officer: Detective PAUL SMYTH
Def: [REDACTED]

Date Analyzed: 4-11-11

Amount: 86.0
No. Cont: 1 Cont: pb
Date Rec'd: 02/24/2011
Gross Wt.: 10.85

Subst: TAB

No. Analyzed:
Net Weight: 8.90
Tests: 2 ASD
• 4 DJR

Prelim: Oxycodone 3 Findings: Oxycodone

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Randolph ANALYST ASD

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

61 blue round tablet in
1 pb
w/ broken tablets

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 7.7827



2 analyzed

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

oxycodone HCl

PRELIMINARY TEST RESULTS

RESULTS oxycodone

DATE 04-05-11

GC/MS CONFIRMATORY TEST

RESULTS oxycodone

MS
OPERATOR DJR

DATE 4-11-11

Drug Information

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Light Blue

Shape: Circle

Imprint: M The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , M30 The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , 30 , M 30

Form: Oral Tablet

Available-Container-Size: Bottle of 100

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

NDC: 00406-8530-01

Excipients: Cellulose, Microcrystalline ; Sodium Starch Glycolate ; Starch, Corn ; Lactose ; Stearic Acid ; FD&C Blue No. 2

Regulatory Status: Schedule II

Availability: United States

Product ID 6594281

Contact: Mallinckrodt

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DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Randolph ANALYST ASD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

86 blue round tablet
in 1 pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 8.9031



2 analyzed.

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

monomelic A 10

PRELIMINARY TEST RESULTS

RESULTS oxycodone

DATE 4-5-11

GC/MS CONFIRMATORY TEST

RESULTS oxycodone

MS
OPERATOR DSR

DATE 4-11-11

Drug Information

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Blue

Shape: Circle

Imprint: A; 215

Form: Oral Tablet

Available-Container-Size: Bottle of 100, 10X10

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

NDC: 52152-0215-02
52152-0215-11

Excipients: Sodium Starch Glycolate ; Stearic Acid ; Starch, Corn ; FD&C Blue No. 2 Aluminum Lake ; Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Silicon Dioxide

Regulatory Status: Schedule II

Availability: United States

Product ID 6527175

Contact: Actavis Totowa

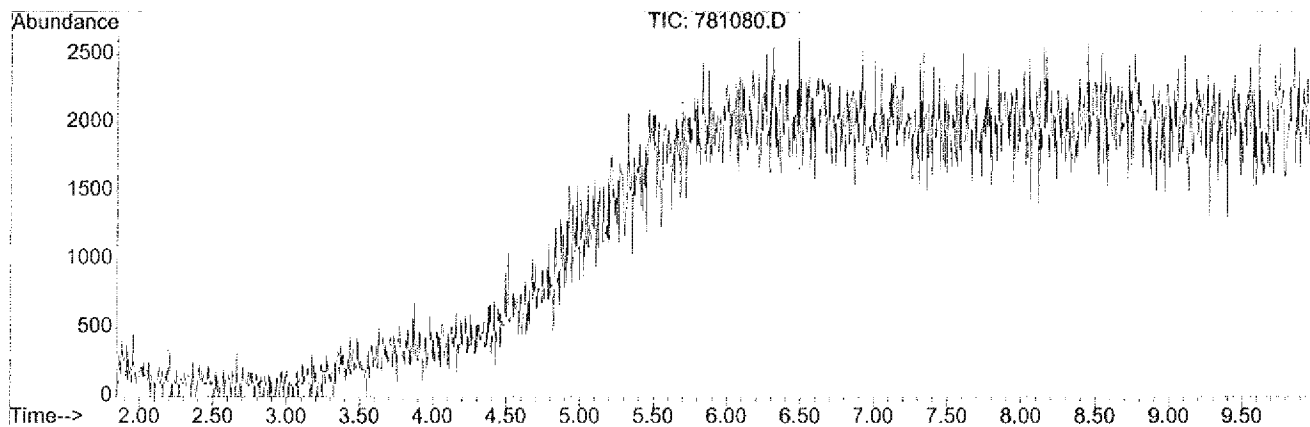
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Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781080.D
Operator : DJR
Date Acquired : 8 Apr 2011 1:54
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

✓ DJR
1-26-12



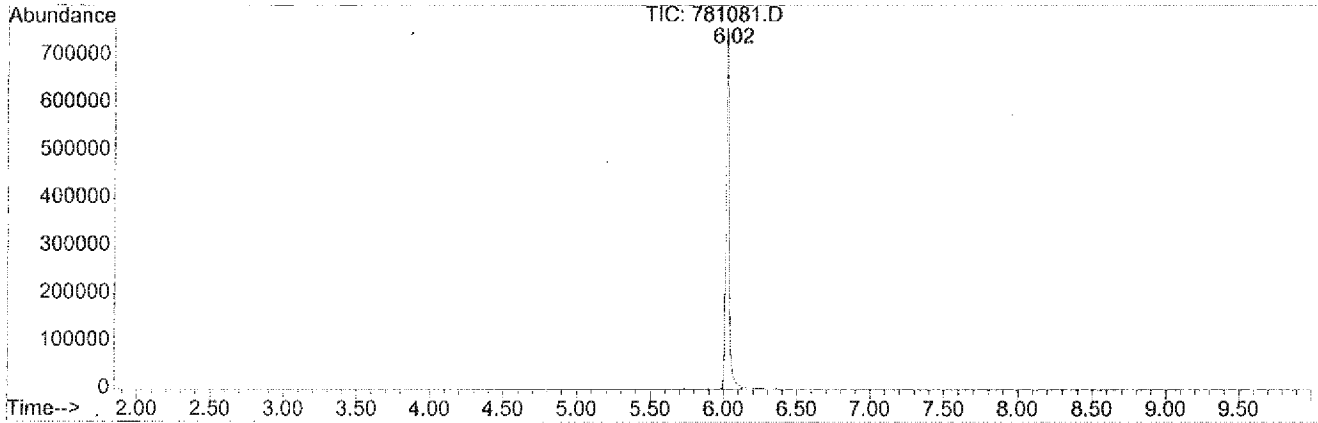
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781081.D
Operator : DJR
Date Acquired : 8 Apr 2011 2:07
Sample Name : OXYCODONE STD
Submitted by :
Vial Number : 81
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.019	1149799	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

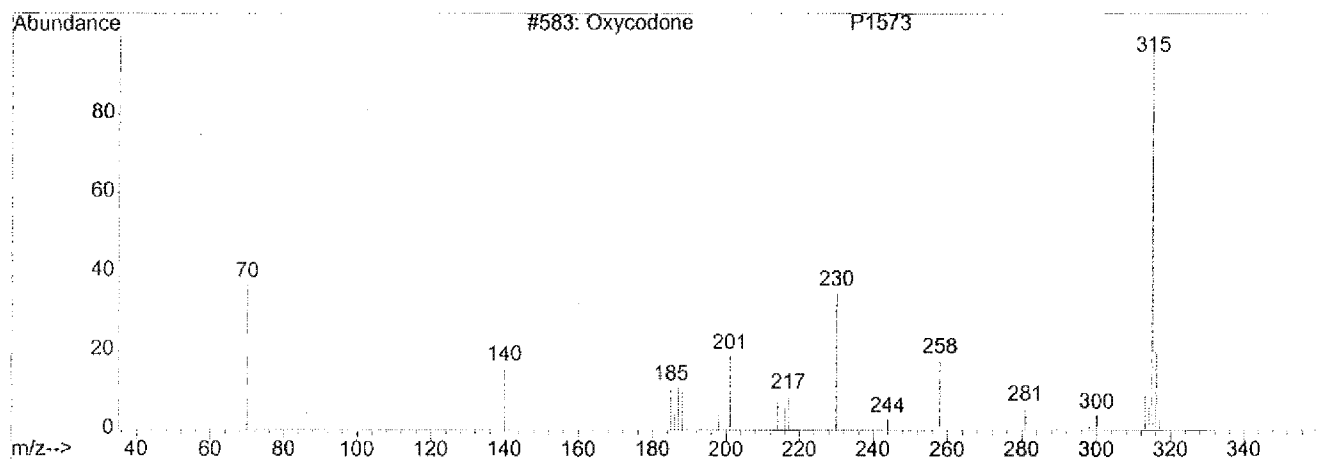
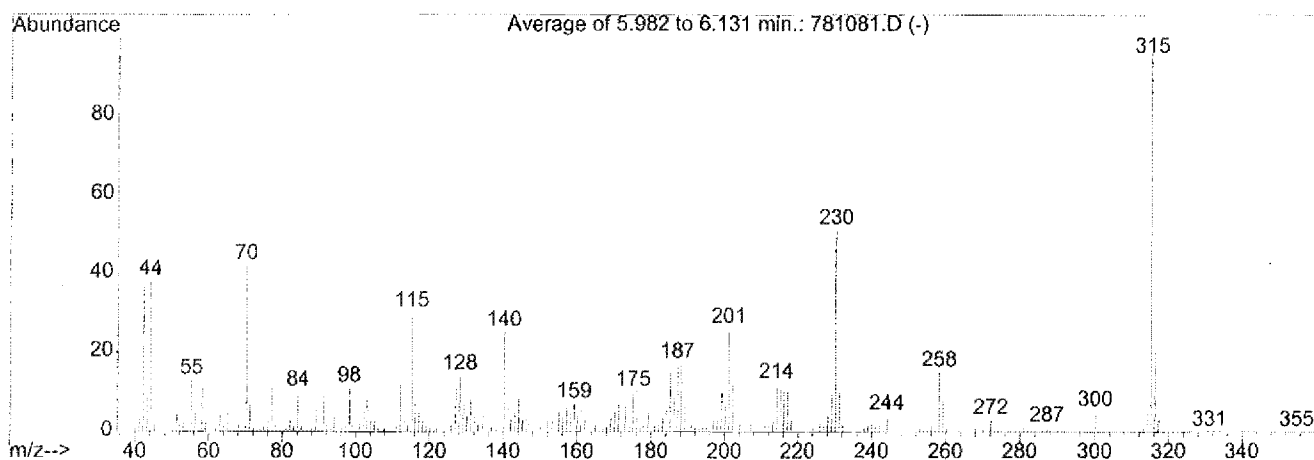
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File Name       : G:\04_07_11\781081.D
Operator        : DJR
Date Acquired   : 8 Apr 2011   2:07
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 81
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

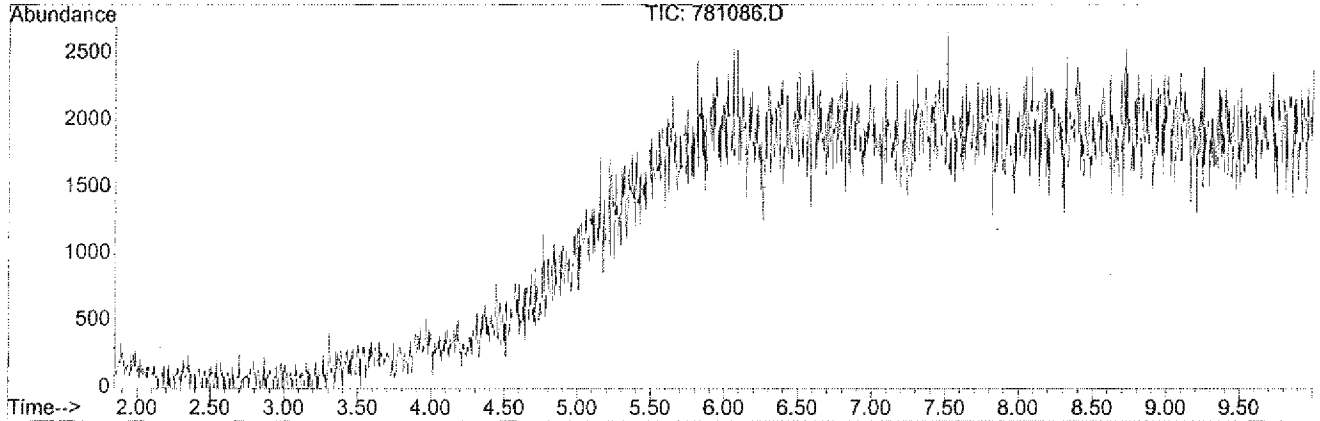
PK#	RT	Library/ID	CAS#	Qual
1	6.02	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	91
		MPCP	000000-00-0	10
		Amitriptyline-M -H2O AC	@ 000000-00-0	9



Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781086.D
Operator : DJR
Date Acquired : 8 Apr 2011 3:14
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



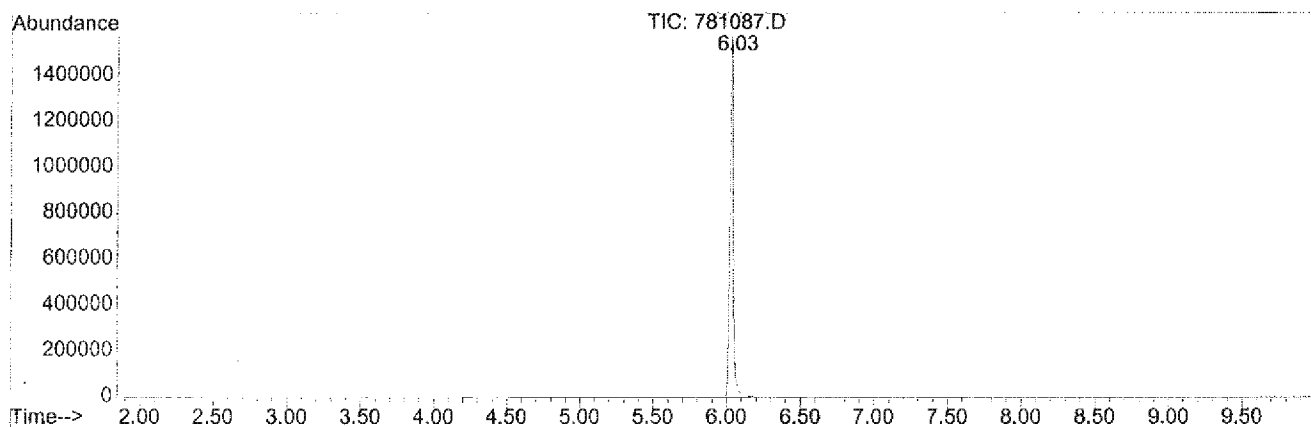
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781087.D
 Operator : DJR
 Date Acquired : 8 Apr 2011 3:28
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 87
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.028	2565114	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

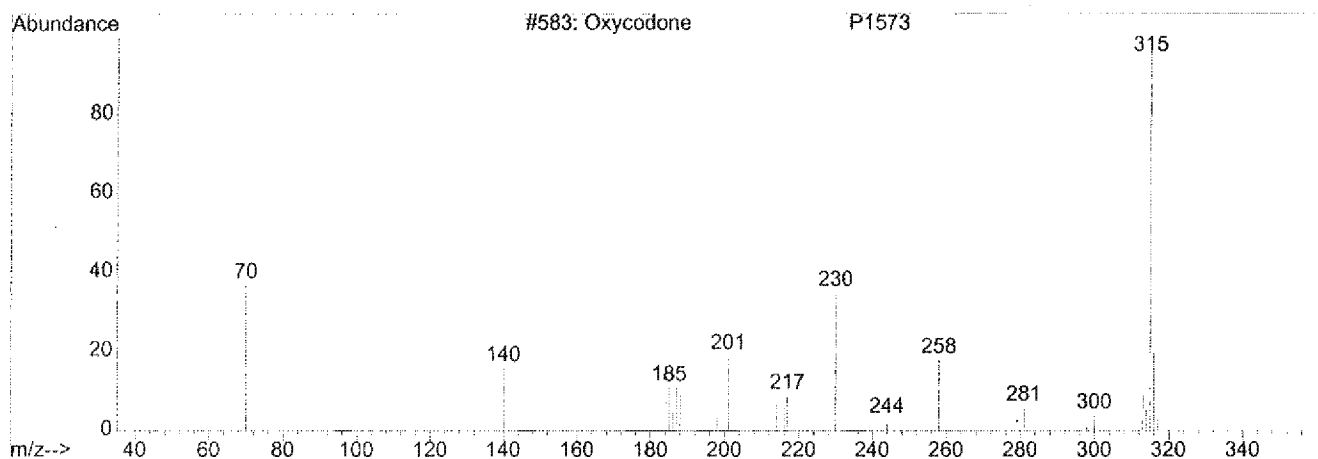
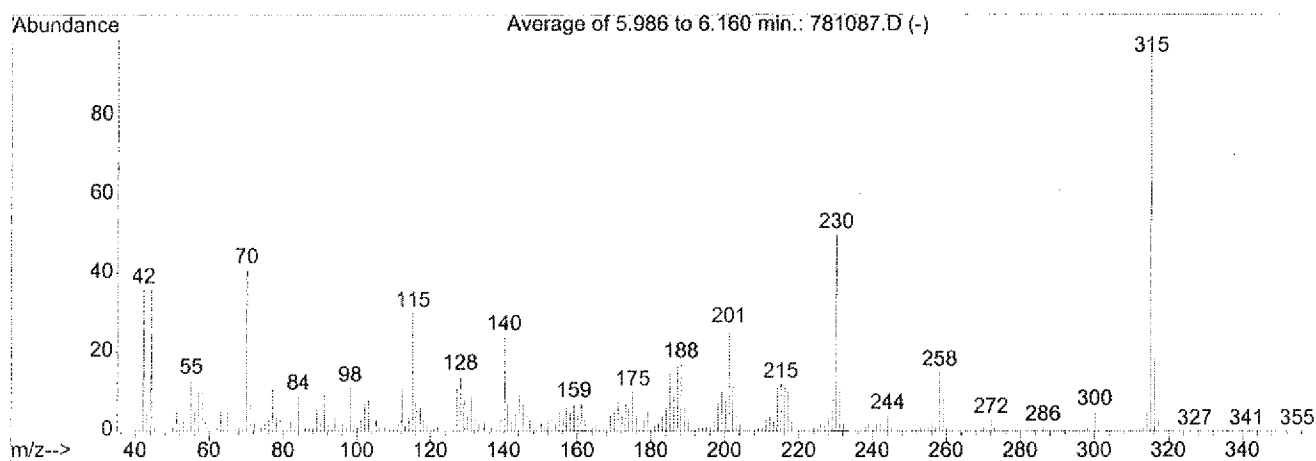
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File Name       : G:\04_07_11\781087.D
Operator        : DJR
Date Acquired   : 8 Apr 2011   3:28
Sample Name     : 
Submitted by    : ASD
Vial Number     : 87
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

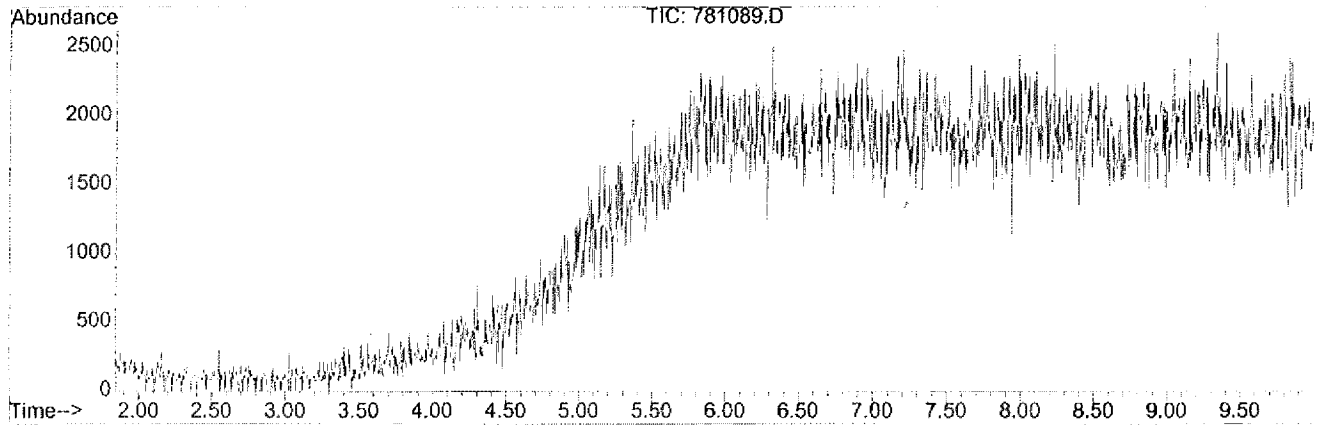
PK#	RT	Library/ID	CAS#	Qual
1	6.03	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	91
		Amitriptyline-M -H2O AC	@ 000000-00-0	9
		MPCP	000000-00-0	9



Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781089.D
Operator : DJR
Date Acquired : 8 Apr 2011 3:55
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



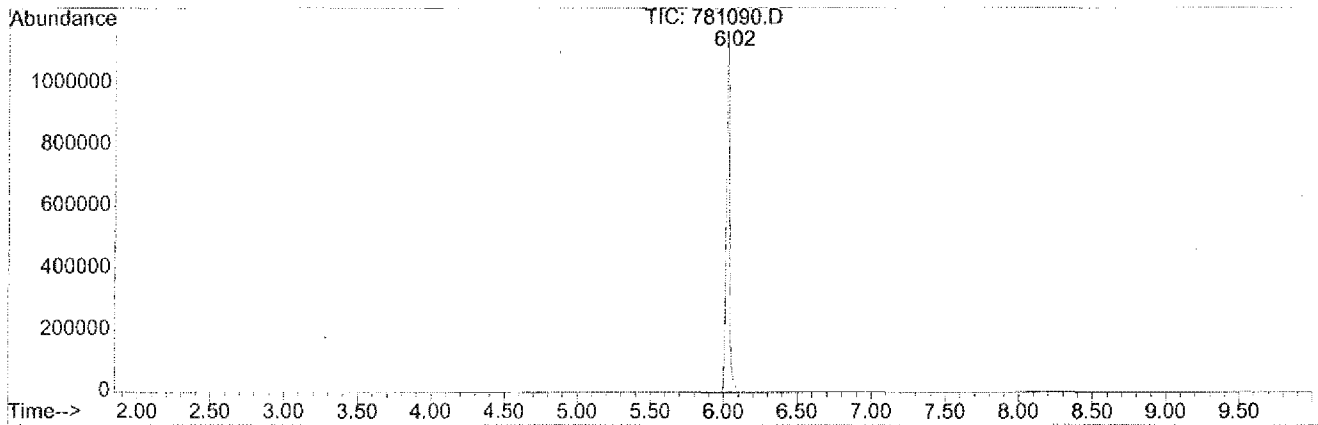
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781090.D
Operator : DJR
Date Acquired : 8 Apr 2011 4:09
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 90
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.024	1835461	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

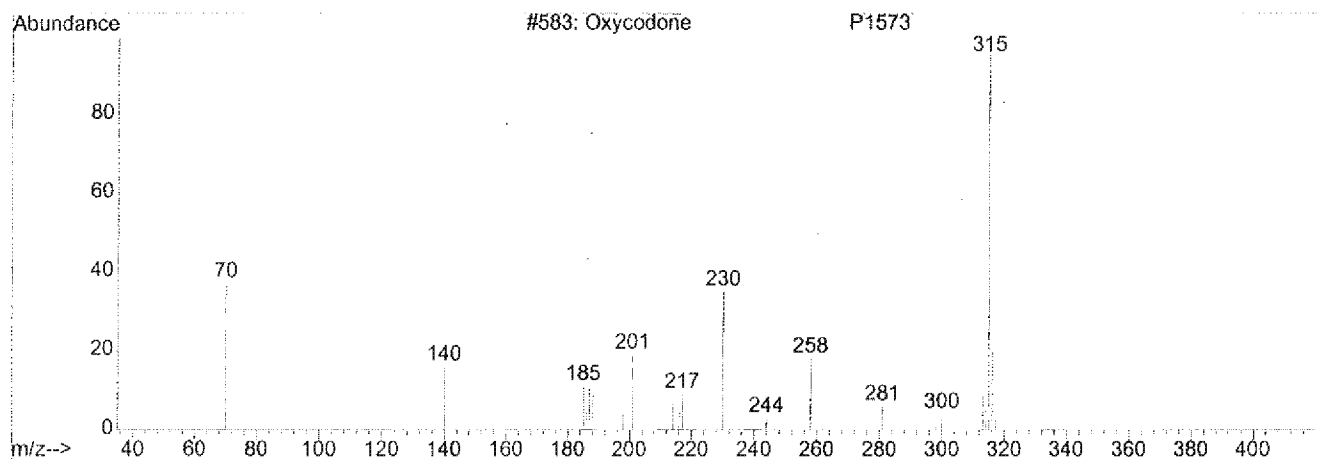
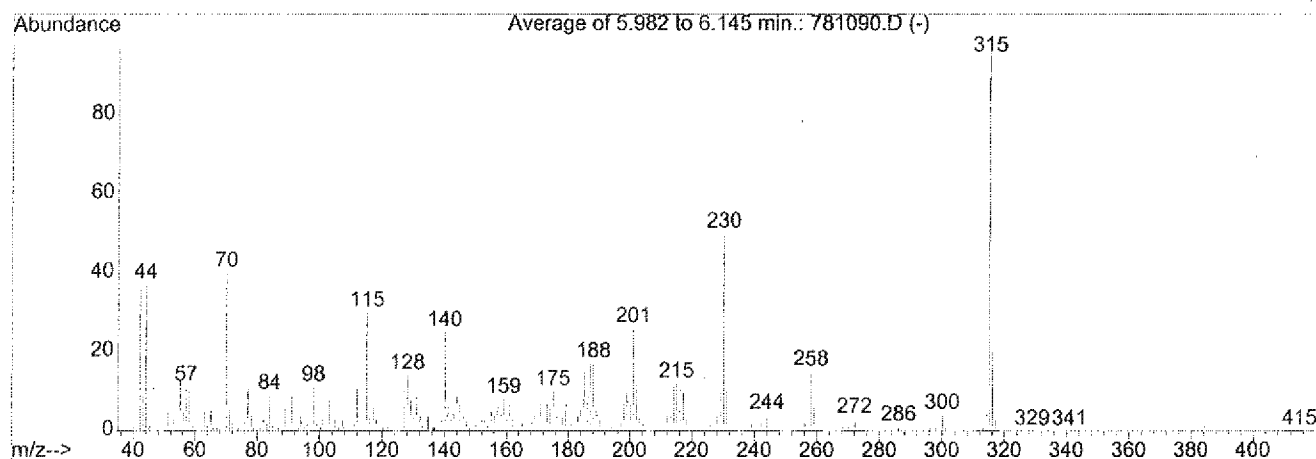
```

File Name       : G:\04_07_11\781090.D
Operator        : DJR
Date Acquired   :  8 Apr 2011   4:09
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 90
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

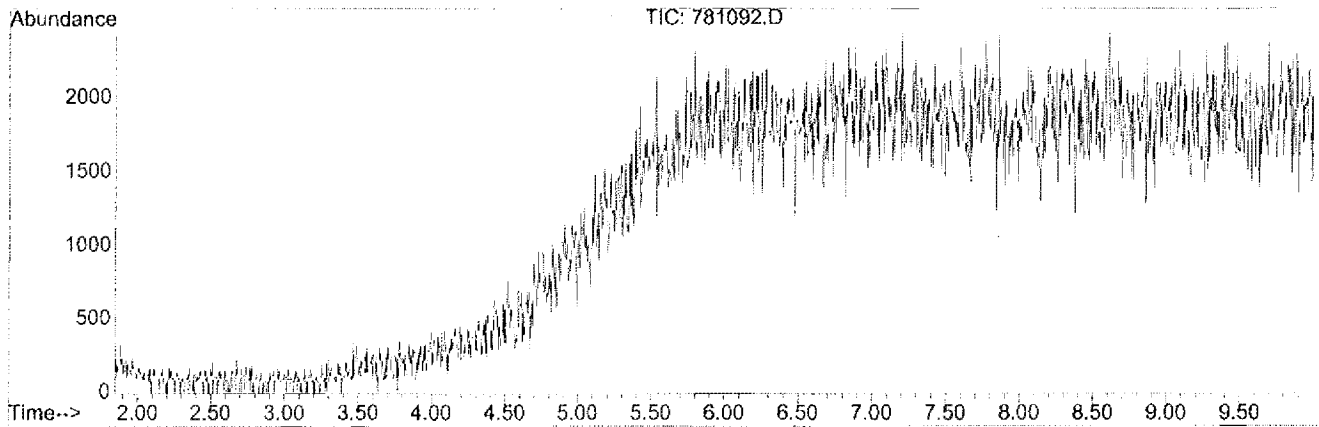
PK#	RT	Library/ID	CAS#	Qual
1	6.02	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	91
		Endogenous biomolecule AC	000000-00-0	9



Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781092.D
Operator : DJR
Date Acquired : 8 Apr 2011 4:36
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



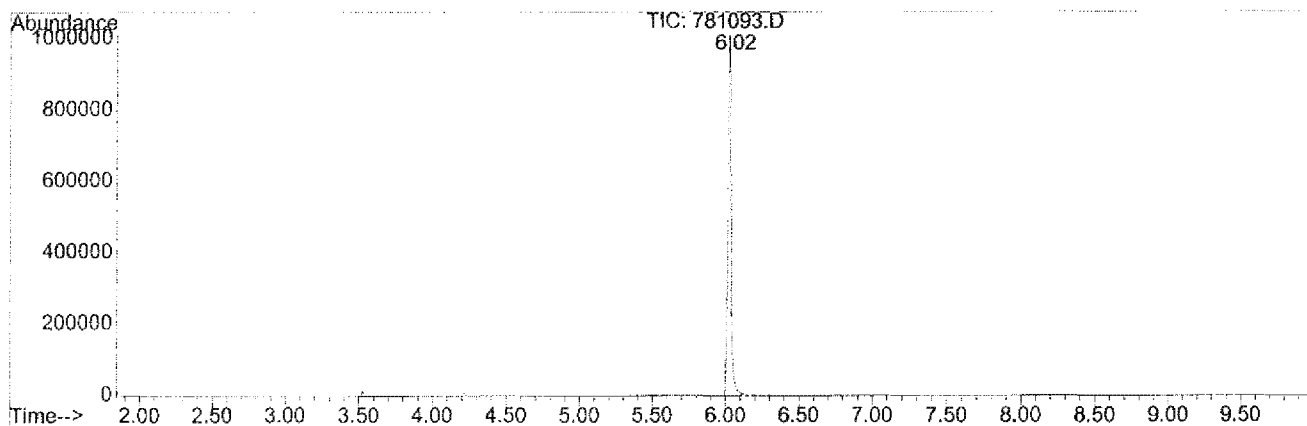
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781093.D
 Operator : DJR
 Date Acquired : 8 Apr 2011 4:50
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 93
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.022	1605669	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

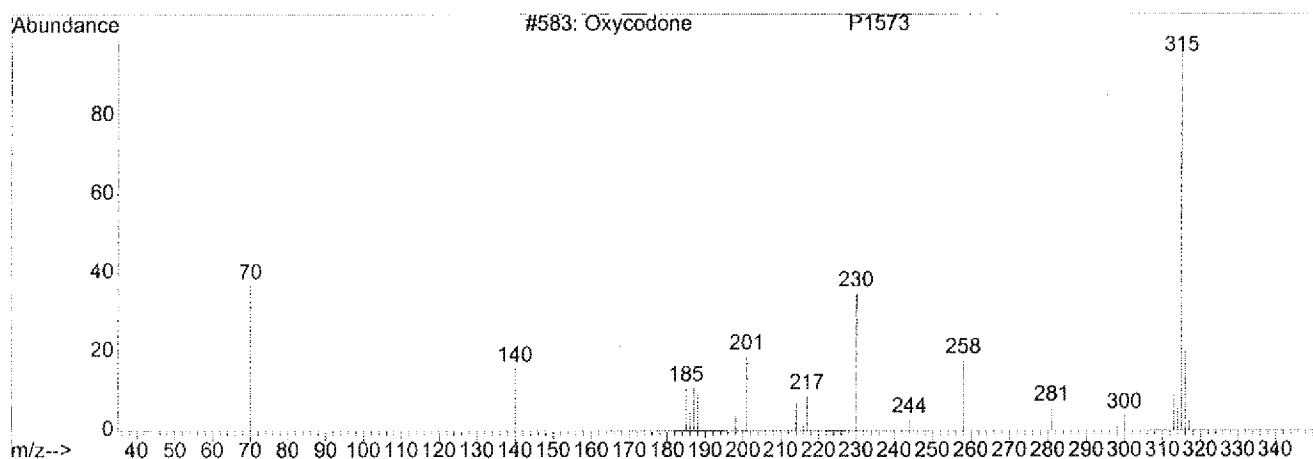
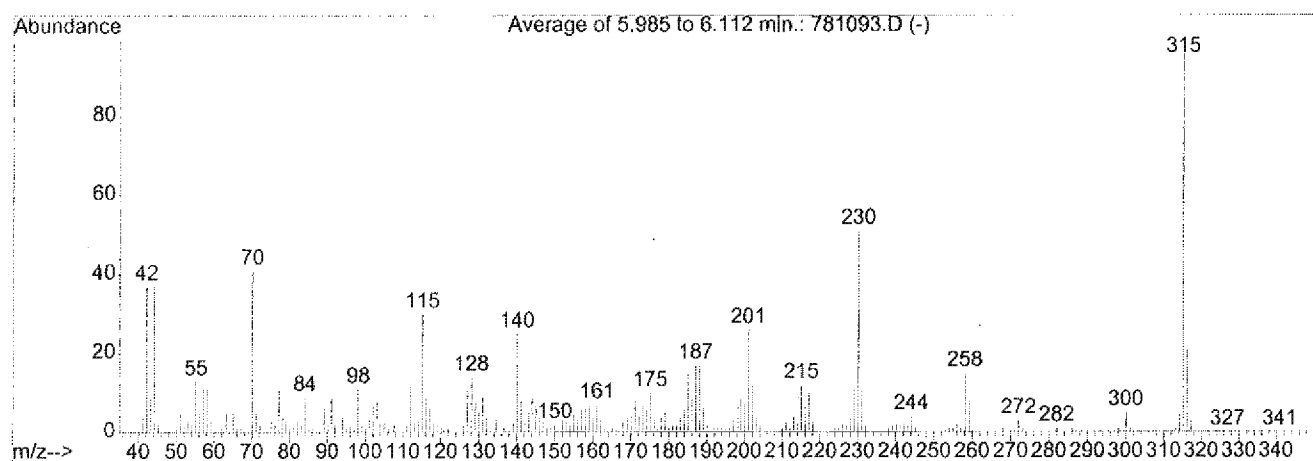
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File Name       : G:\04_07_11\781093.D
Operator        : DJR
Date Acquired   : 8 Apr 2011   4:50
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 93
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

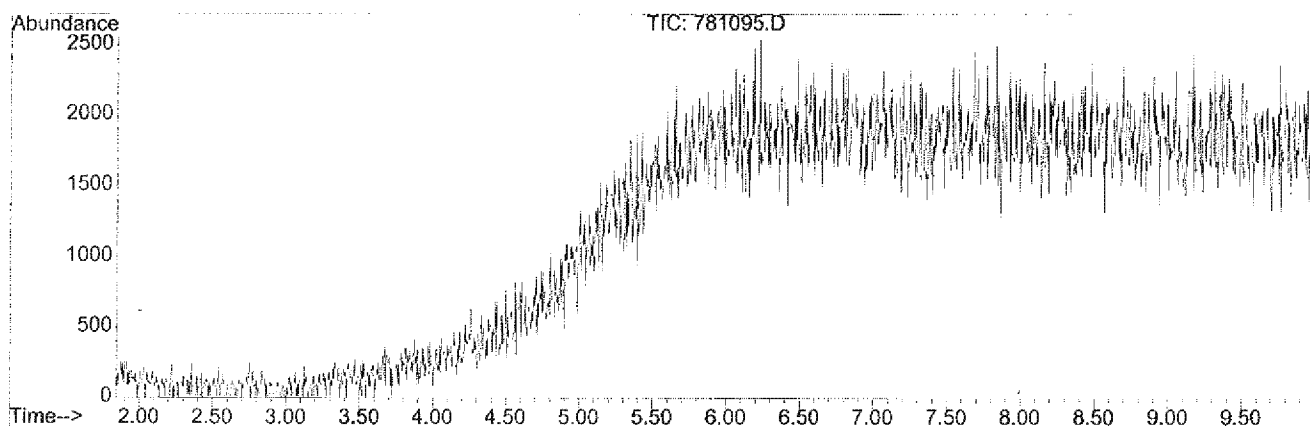
PK#	RT	Library/ID	CAS#	Qual
1	6.02	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	94
		Endogenous biomolecule AC	000000-00-0	22
		Amitriptyline-M -H2O AC	@ 000000-00-0	9



Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781095.D
Operator : DJR
Date Acquired : 8 Apr 2011 5:17
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



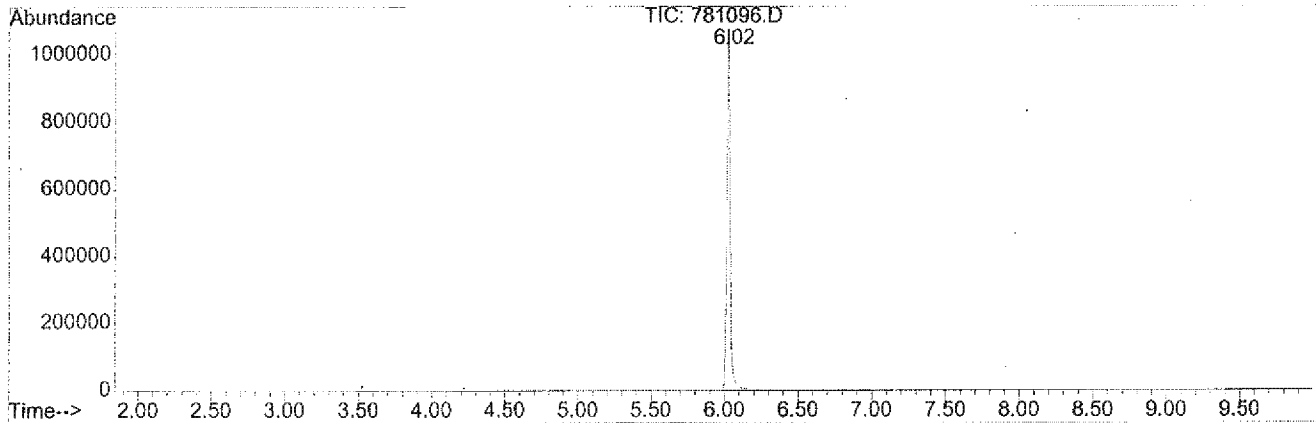
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781096.D
Operator : DJR
Date Acquired : 8 Apr 2011 5:30
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 96
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.022	1678383	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

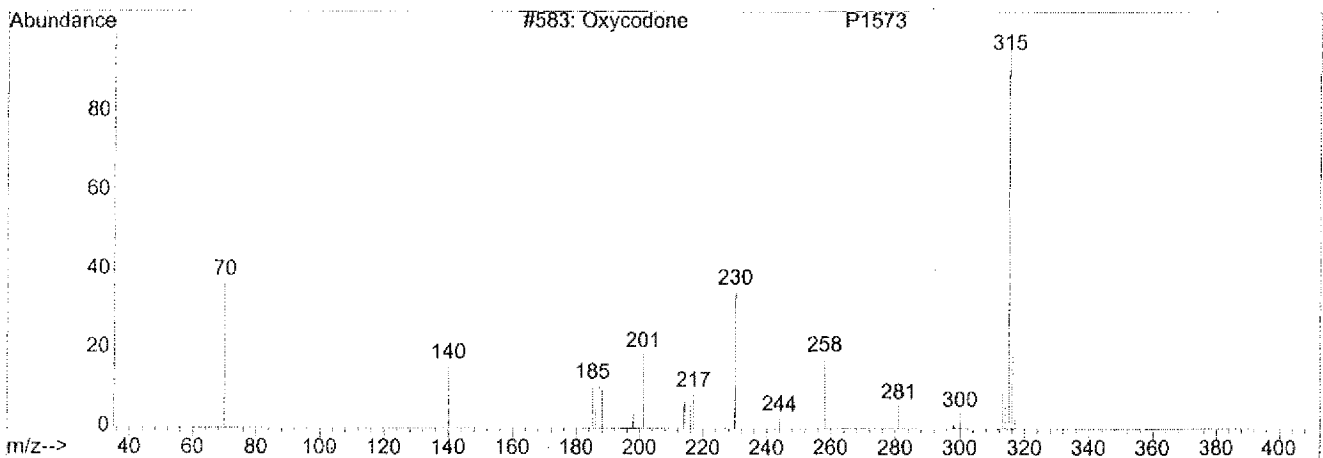
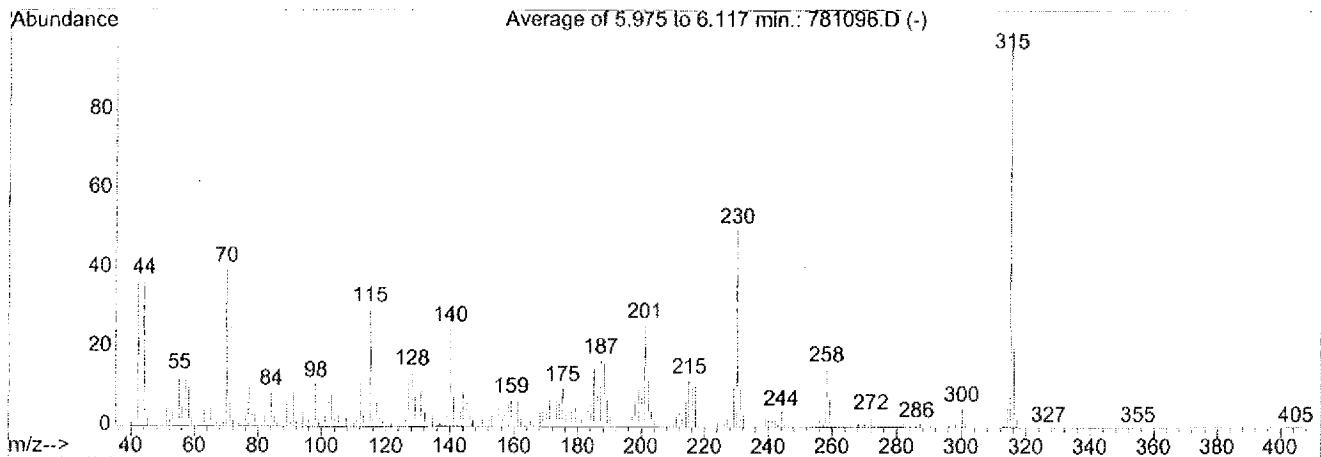
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File Name       : G:\04_07_11\781096.D
Operator        : DJR
Date Acquired   : 8 Apr 2011   5:30
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 96
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

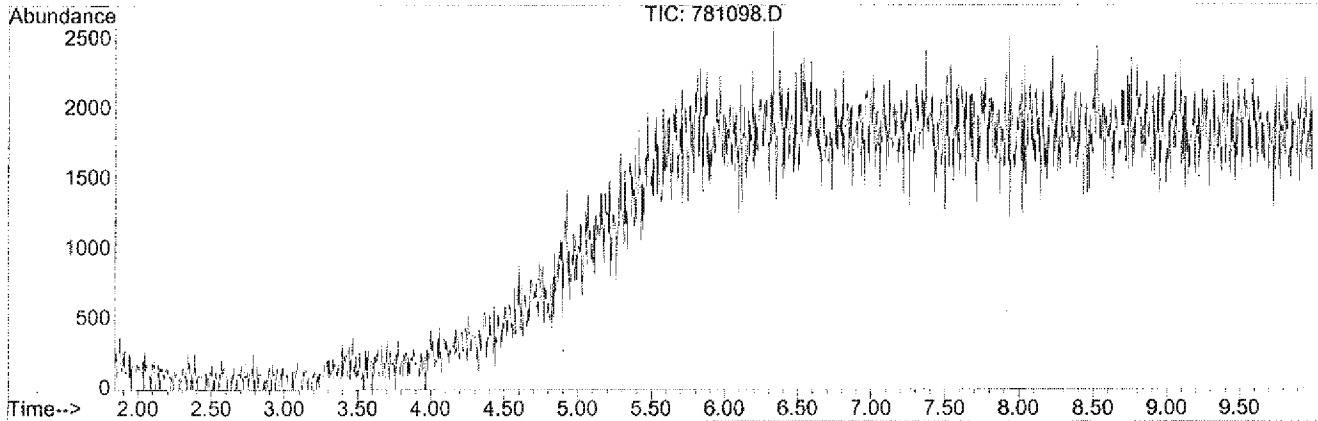
PK#	RT	Library/ID	CAS#	Qual
1	6.02	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	90
		Endogenous biomolecule AC	000000-00-0	22



Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781098.D
Operator : DJR
Date Acquired : 8 Apr 2011 5:57
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



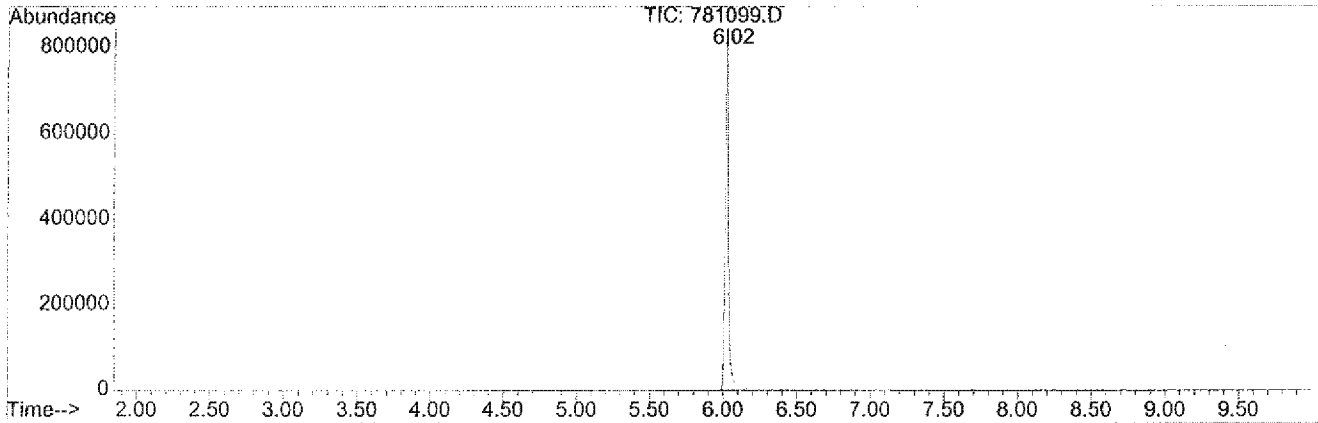
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : G:\04_07_11\781099.D
Operator : DJR
Date Acquired : 8 Apr 2011 6:11
Sample Name : OXYCODONE STD
Submitted by :
Vial Number : 81
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.023	1283404	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

```

File Name       : G:\04_07_11\781099.D
Operator        : DJR
Date Acquired   : 8 Apr 2011   6:11
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 81
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.02	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	94
		Endogenous biomolecule AC	000000-00-0	12

